

FILE 'CAPLUS' ENTERED AT 21:52:34 ON 22 JAN 2003

L1 42401 S SEPARATOR  
L2 0 S L1 (W) SPECIFIC SURFACE AREA  
L3 0 S L1 (W) SURFACE AREA  
L4 95621 S SURFACE AREA  
L5 414 S L4 AND L1  
L6 0 S G/M2  
L7 2540411 S G  
L8 163071 S M2  
L9 57847 S L7 (A) L8  
L10 319 S L9 AND L1  
L11 139 S L10 AND L5  
L12 130 S L11 NOT ALKALINE  
L13 9 S L11 NOT L12  
L14 130 S L11 NOT (ZN OR ZINC OR NI-ZN OR NICKEL-ZINC)  
L15 130 S L11 NOT L13  
L16 9 S L11 NOT L14  
L17 17 S L16 OR L13  
L18 277690 S AG  
L19 17 S L17  
L20 2540411 S G  
L21 163071 S M2  
L22 57847 S L20 (A) L21  
L23 319 S L22 AND SEPARATOR  
L24 268 S L23 NOT (ZN OR ZINC OR NICKEL-ZINC OR NI-ZN OR ALKALINE)  
L25 51 S L23 NOT L24

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FILE 'CAPLUS' ENTERED AT 18:07:21 ON 22 JAN 2003

L1 304920 S ELECTROLYTE OR ELECTROLYTIC  
L2 0 S MG/CM2  
L3 267126 S CM2  
L4 1230627 S MG  
L5 5593 S L4 (A) L3  
L6 42401 S SEPARATOR  
L7 0 S L6 (W) L5 (W) L1  
L8 65 S L5 (S) L1  
L9 4 S L8 (S) L6

L Number	Hits	Search Text	DB	Time stamp
1	1095	komori-k\$.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 17:00
2	5694	"mg/cm.sup.2"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 17:00
3	1	komori-k\$.in. and "mg/cm.sup.2"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 17:19
4	69	"mg/cm.sup.2" with electrolyte	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 17:24
5	34584	429/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 17:24
6	457	429/\$.ccls. and (electrolyte with ((retain\$3 "within") near2 (separator membrane)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 17:26
7	22	(429/\$.ccls. and (electrolyte with ((retain\$3 "within") near2 (separator membrane)))) and "mg/cm.sup.2"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 17:29
8	623	429/\$.ccls. and "mg/cm.sup.2"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 17:29
9	557	(429/\$.ccls. and "mg/cm.sup.2") not ("mg/cm.sup.2" with electrolyte) ((429/\$.ccls. and (electrolyte with ((retain\$3 "within") near2 (separator membrane)))) and "mg/cm.sup.2"))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 17:31
10	25	"4378414"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 17:58

11	1	"4378414" and "mg/cm.sup.2"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/01/22 17:58
12	8351	electrolyte with (introduc\$5 pour\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/01/22 17:59
13	147	(electrolyte with (introduc\$5 pour\$4)) and "mg/cm.sup.2"	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/01/22 17:59
14	123	((electrolyte with (introduc\$5 pour\$4)) and "mg/cm.sup.2") not ((komori-k\$.in. and "mg/cm.sup.2") ("mg/cm.sup.2" with electrolyte) ((429/\$.ccls. and (electrolyte with ((retain\$3 "within") near2 (separator membrane)))) and "mg/cm.sup.2"))	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/01/22 17:59
15	123	((electrolyte with (introduc\$5 pour\$4)) and "mg/cm.sup.2") not ((komori-k\$.in. and "mg/cm.sup.2") ("mg/cm.sup.2" with electrolyte) ((429/\$.ccls. and (electrolyte with ((retain\$3 "within") near2 (separator membrane)))) and "mg/cm.sup.2")) not "4378414"	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/01/22 18:01
16	50	(electrolyte with (introduc\$5 pour\$4)) and (electrolyte same "mg/cm.sup.2")	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/01/22 18:02
17	36	((electrolyte with (introduc\$5 pour\$4)) and (electrolyte same "mg/cm.sup.2")) not ((komori-k\$.in. and "mg/cm.sup.2") ("mg/cm.sup.2" with electrolyte) ((429/\$.ccls. and (electrolyte with ((retain\$3 "within") near2 (separator membrane)))) and "mg/cm.sup.2") "4378414")	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/01/22 18:03
18	4	"mg/cm.sup.2" with (electrolyte elecetrotlytic) with separator	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/01/22 20:47
19	134072	429/\$.ccls. h01m	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/01/22 20:47

20	198	<b>(429/\$.ccls. h01m) and sulfonation</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB</b>	<b>2003/01/22 20:47</b>
21	19	<b>((429/\$.ccls. h01m) and sulfonation) and (sulfur with carbon)</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB</b>	<b>2003/01/22 20:59</b>
22	24775	<b>carbon with sulfur with atom\$1</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB</b>	<b>2003/01/22 20:50</b>
23	152	<b>(429/\$.ccls. h01m) and (carbon with sulfur with atom\$1)</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB</b>	<b>2003/01/22 20:50</b>
24	149	<b>((429/\$.ccls. h01m) and (carbon with sulfur with atom\$1)) not (((429/\$.ccls. h01m) and sulfonation) and (sulfur with carbon))</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB</b>	<b>2003/01/22 20:50</b>
25	1027	<b>"s/c"</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB</b>	<b>2003/01/22 20:59</b>
26	51	<b>"s/c" and (429/\$.ccls. h01m)</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB</b>	<b>2003/01/22 21:02</b>
27	5	<b>("3660150"   "4424243"   "4917734"   "5453333"   "5593734").PN.</b>	<b>USPAT</b>	<b>2003/01/22 21:01</b>
28	770	<b>ratio with carbon with (sulfur sulphur) with (atom atoms atomic moles molar)</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB</b>	<b>2003/01/22 21:03</b>
29	756	<b>(ratio with carbon with (sulfur sulphur) with (atom atoms atomic moles molar)) not (429/\$.ccls. h01m)</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB</b>	<b>2003/01/22 21:03</b>
30	14	<b>(ratio with carbon with (sulfur sulphur) with (atom atoms atomic moles molar)) not ((ratio with carbon with (sulfur sulphur) with (atom atoms atomic moles molar)) not (429/\$.ccls. h01m))</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB</b>	<b>2003/01/22 21:05</b>

31	1464	<b>separator with (sulfur sulphur sulfonated)</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB</b>	<b>2003/01/22 21:05</b>
32	0	<b>(separator with (sulfur sulphur sulfonated)) and "10.sup.-3"</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB</b>	<b>2003/01/22 21:06</b>
33	0	<b>(separator with (sulfur sulphur sulfonated)) and "1 X 10.sup.-3"</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB</b>	<b>2003/01/22 21:06</b>
34	0	<b>"10.sup.-3"</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB</b>	<b>2003/01/22 21:06</b>
35	23195	<b>"10.sup.3"</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB</b>	<b>2003/01/22 21:06</b>
36	5	<b>(separator with (sulfur sulphur sulfonated)) and "10.sup.3"</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB</b>	<b>2003/01/22 21:06</b>
37	686	<b>(separator with (sulfur sulphur sulfonated)) and ((sulfur sulphur s) with (carbon c))</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB</b>	<b>2003/01/22 21:16</b>
38	2	<b>4378414.pn.</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB</b>	<b>2003/01/22 21:16</b>
39	0	<b>4378414.pn. and vacuum</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB</b>	<b>2003/01/22 21:17</b>
40	215082	<b>separator</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB</b>	<b>2003/01/22 21:17</b>

41	199543	<b>separator not alkaline</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB</b>	<b>2003/01/22 21:17</b>
42	15539	<b>separator not (separator not alkaline)</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB</b>	<b>2003/01/22 21:17</b>
43	573	<b>(separator not (separator not alkaline)) and (separator with pore\$1)</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB</b>	<b>2003/01/22 21:19</b>
44	335	<b>((separator not (separator not alkaline)) and (separator with pore\$1)) not zinc</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB</b>	<b>2003/01/22 21:19</b>
45	238	<b>((separator not (separator not alkaline)) and (separator with pore\$1)) not (((separator not (separator not alkaline)) and (separator with pore\$1)) not zinc)</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB</b>	<b>2003/01/22 21:19</b>
46	87	<b>(((separator not (separator not alkaline)) and (separator with pore\$1)) not (((separator not (separator not alkaline)) and (separator with pore\$1)) not zinc)) and mercury</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB</b>	<b>2003/01/22 21:19</b>
47	2	<b>(((separator not (separator not alkaline)) and (separator with pore\$1)) not (((separator not (separator not alkaline)) and (separator with pore\$1)) not zinc)) and porosimeter</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB</b>	<b>2003/01/22 21:20</b>
48	144	<b>separator and porosimeter</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB</b>	<b>2003/01/22 21:20</b>
49	99	<b>(separator and porosimeter) not alkaline</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB</b>	<b>2003/01/22 21:20</b>
50	45	<b>(separator and porosimeter) not ((separator and porosimeter) not alkaline)</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB</b>	<b>2003/01/22 21:21</b>

51	89	<b>separator with weight with "g/m.sup.2"</b>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 21:31
52	35	<b>(separator with weight with "g/m.sup.2") not (zn zinc alkaline)</b>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 21:27
53	54	<b>(separator with weight with "g/m.sup.2") not ((separator with weight with "g/m.sup.2") not (zn zinc alkaline))</b>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 21:23
54	56	<b>(separator with weight with "g/m.sup.2") not (zn zinc)</b>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 21:27
55	33	<b>(separator with weight with "g/m.sup.2") not ((separator with weight with "g/m.sup.2") not (zn zinc))</b>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 21:28
56	5109	<b>polypropylene same separator</b>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 21:28
57	59	<b>(polypropylene same separator) and (separator with weight with "g/m.sup.2")</b>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 21:28
58	25	<b>((polypropylene same separator) and (separator with weight with "g/m.sup.2")) and (zn zinc)</b>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 21:28
59	0	<b>separator with weight with "g/m.sup.2"</b>	USOCR	2003/01/22 21:33
60	0	<b>separator with weight with "g/m.sup.2"</b>	EPO; JPO	2003/01/22 21:31
61	0	<b>separator same "g/m.sup.2"</b>	EPO; JPO	2003/01/22 21:31
62	45093	<b>separator</b>	EPO; JPO	2003/01/22 21:31
63	1	<b>"g/m.sup.2"</b>	EPO; JPO	2003/01/22 21:31
64	567	<b>separator with weight</b>	EPO; JPO	2003/01/22 21:32
65	27	<b>(separator with weight) and (zn zinc)</b>	EPO; JPO	2003/01/22 21:32

66	2	((separator with weight) and (zn zinc)) and polypropylene	EPO; JPO	2003/01/22 21:32
67	735	429/247.ccls. 429/248.ccls. 429/249.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 21:33
68	79	(429/247.ccls. 429/248.ccls. 429/249.ccls.) and "g/m.sup.2"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 21:34
69	46	((429/247.ccls. 429/248.ccls. 429/249.ccls.) and "g/m.sup.2") not (zn zinc)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 21:34
70	33	((429/247.ccls. 429/248.ccls. 429/249.ccls.) and "g/m.sup.2") not ((429/247.ccls. 429/248.ccls. 429/249.ccls.) and "g/m.sup.2") not (zn zinc)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 21:38
71	1064	separator and "g/m.sup.2"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 21:44
72	1031	separator with "surface area"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 21:39
73	41	(separator and "g/m.sup.2" ) and (separator with "surface area")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 21:40
74	14	((separator and "g/m.sup.2" ) and (separator with "surface area")) and (zn zinc)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 21:43
75	401486	zn zinc	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 21:44
76	13211	"nickel-zinc" "ni-zn" "nickel zinc" "ni zn"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 21:44

77	401487	(zn zinc) ("nickel-zinc" "ni-zn" "nickel zinc" "ni zn")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 21:44
78	31174	"g/m.sup.2"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 21:44
79	306707	"surface area"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 21:45
80	25498	"m.sup.2 /g"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 21:45
81	1167	"cm.sup.2 /g"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 21:45
82	940	( "g/m.sup.2" ) same ("surface area" "m.sup.2 /g" "cm.sup.2 /g")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 21:45
83	885	(( "g/m.sup.2" ) same ("surface area" "m.sup.2 /g" "cm.sup.2 /g")) not separator	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 21:45
84	55	(( "g/m.sup.2" ) same ("surface area" "m.sup.2 /g" "cm.sup.2 /g")) not ((( "g/m.sup.2" ) same ("surface area" "m.sup.2 /g" "cm.sup.2 /g")) not separator)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 21:45
85	31	((( "g/m.sup.2" ) same ("surface area" "m.sup.2 /g" "cm.sup.2 /g")) not ((( "g/m.sup.2" ) same ("surface area" "m.sup.2 /g" "cm.sup.2 /g")) not separator)) not ((zn zinc) ("nickel-zinc" "ni-zn" "nickel zinc" "ni zn" ))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 21:45

86	24	((("g/m.sup.2") same ("surface area" "m.sup.2 /g" "cm.sup.2 /g")) not ((( "g/m.sup.2" ) same ("surface area" "m.sup.2 /g" "cm.sup.2 /g")) not separator)) not (((("g/m.sup.2") same ("surface area" "m.sup.2 /g" "cm.sup.2 /g")) not ((( "g/m.sup.2" ) same ("surface area" "m.sup.2 /g" "cm.sup.2 /g")) not separator)) not ((zn zinc) ("nickel-zinc" "ni-zn" "nickel zinc" "ni zn" ))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 21:47
87	36431	"specific surface area"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 21:48
88	140	"specific surface area" with separator	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 21:48
89	124	("specific surface area" with separator) not ((zn zinc) ("nickel-zinc" "ni-zn" "nickel zinc" "ni zn" ))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 21:48
90	16	("specific surface area" with separator) not (((specific surface area" with separator) not ((zn zinc) ("nickel-zinc" "ni-zn" "nickel zinc" "ni zn" ))))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 22:07
91	0	"m.sup.2"	EPO; JPO	2003/01/22 22:07
92	9426	m2	EPO; JPO	2003/01/22 22:07
93	129235	g	EPO; JPO	2003/01/22 22:07
94	3	g adj m2	EPO; JPO	2003/01/22 22:08
95	556	g adj m	EPO; JPO	2003/01/22 22:08
96	2344	"g/m"	EPO; JPO	2003/01/22 22:11
97	1017	"g/m2"	EPO; JPO	2003/01/22 22:08
98	3358	"g/m" "g/m2"	EPO; JPO	2003/01/22 22:08
99	29	("g/m" "g/m2") same separator	EPO; JPO	2003/01/22 22:08
100	1017	"g/m<2>"	EPO; JPO	2003/01/22 22:11
101	851	"g/m <2>"	EPO; JPO	2003/01/22 22:11
102	1867	"g/m<2>" "g/m <2>"	EPO; JPO	2003/01/22 22:11

103	1017	"g/m2" or "g/m<2>"	EPO; JPO	2003/01/22 22:11
104	25	("g/m<2>" "g/m <2>") and separator	EPO; JPO	2003/01/22 22:12
105	2	(("g/m<2>" "g/m <2>") and separator) not (("g/m" "g/m2") same separator)	EPO; JPO	2003/01/22 22:12

L Number	Hits	Search Text	DB	Time stamp
1	6	<b>separator with (discharg\$3 or self-discharg\$3 or "self discharge" "self discharging") with ("g/m.sup.2" "g/m2" "g/m")</b>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 22:24
2	1	<b>(separator with (discharg\$3 or self-discharg\$3 or "self discharge" "self discharging") with ("g/m.sup.2" "g/m2" "g/m")) and (zn zinc)</b>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 22:23
3	0	<b>(separator with (discharg\$3 or self-discharg\$3 or "self discharge" "self discharging") with ("g/m.sup.2" "g/m2" "g/m")) and ((ni or nickel) adj (zn zinc))</b>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 22:26
4	21	<b>separator same (discharg\$3 or self-discharg\$3 or "self discharge" "self discharging") same ("g/m.sup.2" "g/m2" "g/m")</b>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 22:26
5	15	<b>(separator same (discharg\$3 or self-discharg\$3 or "self discharge" "self discharging") same ("g/m.sup.2" "g/m2" "g/m")) not (separator with (discharg\$3 or self-discharg\$3 or "self discharge" "self discharging") with ("g/m.sup.2" "g/m2" "g/m"))</b>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 22:24
6	6	<b>((separator same (discharg\$3 or self-discharg\$3 or "self discharge" "self discharging") same ("g/m.sup.2" "g/m2" "g/m")) not (separator with (discharg\$3 or self-discharg\$3 or "self discharge" "self discharging") with ("g/m.sup.2" "g/m2" "g/m")))) and (zn zinc)</b>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 22:26
7	327	<b>separator same ("g/m.sup.2" "g/m2" "g/m")</b>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 22:30
8	249	<b>(separator same ("g/m.sup.2" "g/m2" "g/m")) not (zn zinc)</b>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 22:26
9	303	<b>(separator same ("g/m.sup.2" "g/m2" "g/m")) not ((ni or nickel) adj (zn zinc))</b>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 22:26

10	78	(separator same ("g/m.sup.2" "g/m2" "g/m")) not ((separator same ("g/m.sup.2" "g/m2" "g/m")) not (zn zinc))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 22:26
11	24	(separator same ("g/m.sup.2" "g/m2" "g/m")) not ((separator same ("g/m.sup.2" "g/m2" "g/m")) not ((ni or nickel) adj (zn zinc)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 22:26
12	78	((separator same ("g/m.sup.2" "g/m2" "g/m")) not ((separator same ("g/m.sup.2" "g/m2" "g/m")) not (zn zinc))) ((separator same ("g/m.sup.2" "g/m2" "g/m")) not ((separator same ("g/m.sup.2" "g/m2" "g/m")) not ((ni or nickel) adj (zn zinc))))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 22:26
13	71	((separator same ("g/m.sup.2" "g/m2" "g/m")) not ((separator same ("g/m.sup.2" "g/m2" "g/m")) not (zn zinc))) ((separator same ("g/m.sup.2" "g/m2" "g/m")) not ((separator same ("g/m.sup.2" "g/m2" "g/m")) not ((ni or nickel) adj (zn zinc)))) not ((separator with (discharg\$3 or self-discharg\$3 or "self discharge" "self discharging") with ("g/m.sup.2" "g/m2" "g/m")) ((separator with (discharg\$3 or self-discharg\$3 or "self discharge" "self discharging") with ("g/m.sup.2" "g/m2" "g/m")) and (zn zinc)) (separator same (discharg\$3 or self-discharg\$3 or "self discharge" "self discharging") same ("g/m.sup.2" "g/m2" "g/m")) ((separator same (discharg\$3 or self-discharg\$3 or "self discharge" "self discharging") same ("g/m.sup.2" "g/m2" "g/m")) not (separator with (discharg\$3 or self-discharg\$3 or "self discharge" "self discharging") with ("g/m.sup.2" "g/m2" "g/m")))) (((separator same (discharg\$3 or self-discharg\$3 or "self discharge" "self discharging") same ("g/m.sup.2" "g/m2" "g/m")) not (separator with (discharg\$3 or self-discharg\$3 or "self discharge" "self discharging") with ("g/m.sup.2" "g/m2" "g/m")))) and (zn zinc)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 22:27
14	2183	(hydrophilic hydrophilic hydrophilicity hydrophilicity) same ("g/m.sup.2" "g/m2" "g/m")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 22:35
15	5	((hydrophilic hydrophilic hydrophilicity hydrophilicity) same ("g/m.sup.2" "g/m2" "g/m")) and (polyolefin same separator)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 22:31

16	2152	((hydrophilic hydrophilic hydrophilicity hydrophilicity) same ("g/m.sup.2" "g/m2" "g/m")) not separator	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 22:33
17	31	((hydrophilic hydrophilic hydrophilicity hydrophilicity) same ("g/m.sup.2" "g/m2" "g/m")) not (((hydrophilic hydrophilic hydrophilicity hydrophilicity) same ("g/m.sup.2" "g/m2" "g/m")) not separator)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 22:33
18	26	(((hydrophilic hydrophilic hydrophilicity hydrophilicity) same ("g/m.sup.2" "g/m2" "g/m")) not (((hydrophilic hydrophilic hydrophilicity hydrophilicity) same ("g/m.sup.2" "g/m2" "g/m")) not separator)) not (((hydrophilic hydrophilic hydrophilicity hydrophilicity) same ("g/m.sup.2" "g/m2" "g/m")) and (polyolefin same separator))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 22:33
19	28	((electrolyte electrolytic) near8 (absorb\$5 absorp\$5)) same ("g/m.sup.2" "g/m2" "g/m")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 22:36
20	26	(((electrolyte electrolytic) near8 (absorb\$5 absorp\$5)) same ("g/m.sup.2" "g/m2" "g/m")) not (((hydrophilic hydrophilic hydrophilicity hydrophilicity) same ("g/m.sup.2" "g/m2" "g/m")) not (((hydrophilic hydrophilic hydrophilicity hydrophilicity) same ("g/m.sup.2" "g/m2" "g/m")) not separator))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 22:38
21	2	5330861.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 22:39
22	1	5330861.pn. and (zn zinc)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 22:39
23	919	"high loft"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 22:39
24	7	"high loft" same separator	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 22:48

25	44	("0373064"   "1408140"   "1607460"   "2272969"   "2317711"   "2403571"   "2534336"   "2700694"   "2785106"   "2858353"   "2900433"   "2904615"   "2930829"   "2994728"   "3013099"   "3022367"   "3042734"   "3055966"   "3068312"   "3068313"   "3069489"   "3081372"   "3089914"   "3097975"   "3121658"   "3186876"   "3186877"   "3218197"   "3269869"   "3505185"   "3980497"   "4091185"   "4124743"   "4137379"   "4356046"   "4551402"   "4699858"   "4794057"   "4902590"   "5026617"   "5401594"   "5419962"   "5462820"   "5470519").PN.	USPAT	2003/01/22 22:41
28	15	3980497.URPN.	USPAT	2003/01/22 22:44
34	36	electrolyte with (pour\$3) with vacuum	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 22:50
35	1	(electrolyte with (pour\$3) with vacuum) and (zn zinc)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 22:50
36	1824	electrolyte with vacuum	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 22:51
37	1509	(electrolyte with vacuum) not (zn zinc ni-zn nizn "nickel-zinc" "nickel zinc")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 22:52
38	315	(electrolyte with vacuum) not ((electrolyte with vacuum) not (zn zinc ni-zn nizn "nickel-zinc" "nickel zinc"))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 22:51
39	1241	electrolyte near8 vacuum	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 22:52
40	1028	(electrolyte near8 vacuum) not (zn zinc ni-zn nizn "nickel-zinc" "nickel zinc")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 22:52

41	213	(electrolyte near8 vacuum) not ((electrolyte near8 vacuum) not (zn zinc ni-zn nizn "nickel-zinc" "nickel zinc"))	USPAT; US_PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 23:05
42	90	((electrolyte near8 vacuum) not ((electrolyte near8 vacuum) not (zn zinc ni-zn nizn "nickel-zinc" "nickel zinc")))) and 429/\$.ccls.	USPAT; US_PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 22:56
43	2427	429/223.ccls. 429/229.ccls.	USPAT; US_PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 22:56
44	219	(429/223.ccls. 429/229.ccls.) and ((ni or nickel) adj (zn zinc))	USPAT; US_PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 22:56
45	4	((429/223.ccls. 429/229.ccls.) and ((ni or nickel) adj (zn zinc))) and (electrolyte with vacuum)	USPAT; US_PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 23:03
46	2	3354917.pn.	USPAT; US_PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 22:56
48	51	((429/223.ccls. 429/229.ccls.) and ((ni or nickel) adj (zn zinc))) and ( vacuum)	USPAT; US_PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 23:03
49	47	(((429/223.ccls. 429/229.ccls.) and ((ni or nickel) adj (zn zinc))) and ( vacuum)) not (((429/223.ccls. 429/229.ccls.) and ((ni or nickel) adj (zn zinc))) and (electrolyte with vacuum))	USPAT; US_PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 23:05
50	215	((429/223.ccls. 429/229.ccls.) and ((ni or nickel) adj (zn zinc))) not (((429/223.ccls. 429/229.ccls.) and ((ni or nickel) adj (zn zinc))) and (electrolyte with vacuum))	USPAT; US_PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 23:05
51	210	((electrolyte near8 vacuum) not ((electrolyte near8 vacuum) not (zn zinc ni-zn nizn "nickel-zinc" "nickel zinc")))) not (((429/223.ccls. 429/229.ccls.) and ((ni or nickel) adj (zn zinc))) and (electrolyte with vacuum)) 3354917.pn.)	USPAT; US_PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 23:12

52	256801	sulfur sulphur	USPAT; US_PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US_PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US_PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US_PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US_PGPUB; EPO; JPO; DERWENT;	2003/01/22 23:12
53	25199	sulfonated	USPAT; US_PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US_PGPUB; EPO; JPO; DERWENT;	2003/01/22 23:12
54	17409	sulfur-containing	USPAT; US_PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US_PGPUB; EPO; JPO; DERWENT;	2003/01/22 23:12
55	3012	sulphur-containing	USPAT; US_PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US_PGPUB; EPO; JPO; DERWENT;	2003/01/22 23:12
56	273553	(sulfur sulphur) sulfonated sulfur-containing sulphur-containing	USPAT; US_PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT;	2003/01/22 23:13
57	1464	((sulfur sulphur) sulfonated sulfur-containing sulphur-containing) with separator	USPAT; US_PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US_PGPUB; EPO; JPO; DERWENT;	2003/01/22 23:13
58	51164	"g/m.sup.2" "g/m2" "g/m"	USPAT; US_PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US_PGPUB; EPO; JPO; DERWENT;	2003/01/22 23:13
59	45	((sulfur sulphur) sulfonated sulfur-containing sulphur-containing) with separator) and ("g/m.sup.2" "g/m2" "g/m")	USPAT; US_PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US_PGPUB; EPO; JPO; DERWENT;	2003/01/22 23:33
60	38	electrolyte with separator with (absorb\$5 absorpt\$5 retain\$5 soak\$3) with (g gram grams)	USPAT; US_PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US_PGPUB; EPO; JPO; DERWENT;	2003/01/22 23:50
61	5	(electrolyte with separator with (absorb\$5 absorpt\$5 retain\$5 soak\$3) with (g gram grams)) and ("g/m.sup.2" "g/m2")	USPAT; US_PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US_PGPUB; EPO; JPO; DERWENT;	2003/01/22 23:51

62	2	(electrolyte with separator with (absorb\$5 absorpt\$5 retain\$5 soak\$3) with (g gram grams)) and ("m2/g" "m.sup.2 /g")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; DERWENT	2003/01/22 23:51
63	4	(US-5484651-\$ or US-5032475-\$).did. or (JP-07099050-\$ or JP-2822701-\$).did.		2003/01/22 23:52